OIPE JC#88
JUL 21 2005
PATENT & TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Sheet 1 of 2	Docket No. F0017/7001

Applicant: Jiankang Huang, Robert C. O'Handley and David Bono
Serial No: 10/767,800
Filed: January 29, 2004
For: HIGH EFFICIENCY VIBRATION ENERGY HARVESTER
Examiner: Not Yet Assigned
Art Unit: 3671

OTHER PRIOR ART – NON PATENT LITERATURE AND DOCUMENTS

Exam Inits	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the articles (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
MB		KIYOTAKE, et al, "Magnetoelectric Coupling in Terfenol-D/polyvinylidenedifluoride Composites", Applied Physics Letters, Volume 81, Number 1, July 1, 2002, 2002 American Institute of Physics, pages 100-101.	☐
		GRIMES, et al., "Magnetoelastic Sensors For Remote Query Enviornmental Monitoring", Smart Mater. Struct. 8 (1999), 1999 IPO Publishing Ltd., Pages 639-646.	☐
		RYU, et al., "Magnetoelectric Properties in Piezoelectric and Magnetostrictive Laminate Composites", Japanese Journal of Physics, Vol. 40 (2001) Page 1, No. 8, August 2001, 2001 The Japanese Society of Applied Physics, Pages 4948-4951.	☐
		WHITE, N.M., et al., "Design and Modelling of a Vibration-Powered Micro-Generator", Measurement + Control, Volume 34, November 2001, Pages 267-271.	☐
		GLYNNE-JONES, P., et al., "The Modelling of a Piezoelectric Vibration Powered Generator for Microsystems", Transducer '01 - Eurosensors XV, The 11th International Conference on Solid-State Sensors and Actuators, Munich, Germany, June 10-14, 2001, pages 46 - 49.	☐
		GLYNNE-JONES, P., et al., "Towards a Piezoelectric Vibration-Powered Microgenerator", IEE Proc.-Sci Meas. Technol., Vol. 148, No. 2, March 2001, pages 68-72.	☐
		SHEARWOOD, C., et al., "Development of an Electromagnetic Microgenerator", Electronics Letters	☐
		AMIRTHARAJA, R., et al., "Self-Powered Signal Processing Using Vibration-Based Power Generation", IEEE Journal of Solid State Circuits, v. 33, n. 5, pp. 687-695 (1998)	☐

Examiner Signature	MARK O. BUDD PRIMARY EXAMINER ART UNIT 3671	Date Considered	7-28-05

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AP		MENINGER, S., et al., "Vibration-to-Electric Energy Conversion", IEEE Transactions on VLSI Systems, v. 9, n. 1, p. 64 (2001)	☐
		SHENCK, N.S., et al., "Energy Scavenging with Shoe-Mounted Piezoelectrics", IEEE Microelectronics, v. 21, n. 3, May-June 2001, p. 30-42	☐
		GHANDI, K., "Compact Piezoelectric Based Power generation", Continuum Controls, Inc., DARPA Energy Harvesting Program Review, 2000	☐
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		CHURCHILL, D.L., et al., "Strain Energy Harvesting for Wireless Sensor Networks," Smart Structures and Materials 2003: Smart Electronics, MEMS, BioMEMS, and Nanotechnology, Proceedings of SPIE, Vol. 5055, (2003)	☐
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		JAMES, E.P., et al., "An Investigation of Self-Powered Systems for Condition Monitoring Applications", Sensors and Actuators, pages 171-176, Elsevier B. V.	☐
		ROUNDY, Shad, et al., "A Study of Low Level Vibrations as a Power Source for Wireless Sensor Nodes", Computer Sommunications 26 (2003) pages 1131-1144, Elsevier Science B.V.	☐
V		GLYNNE-JONES, P., et al., "An Electromagnetic, Vibration-Powered Generator for Intelligent Sensor Systems", Sensors and Actuators, pages 344-349, Elsevier B.V.	☐

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